

APPENDIX A.

Executive Summary

FIS 03-043: Estimation of coho salmon escapement in streams adjacent to Perryville, Alaska Peninsula National Wildlife Refuge

Investigator(s): King Salmon Fishery Resource Office

Geographic Area: Bristol Bay

Information Type: Stock Status and Trends (SST)

Issue:

1. Lack of in-season and post season information to ensure adequate escapement and subsistence needs are satisfied in the Perryville area.

Objectives:

1. Estimate the escapement of coho salmon in streams near the village of Perryville.

Methods:

We will utilize aerial surveys to enumerate coho salmon escapement in six streams near the village of Perryville. Two aerial surveys will be conducted annually (one in early October and one in early November) using low-level helicopter flights. During each aerial survey, total numbers of coho salmon observed will be recorded for each stream. In order to prevent over harvest of the small stocks of coho salmon in the Perryville area, escapement needs to be monitored. The State monitors pink and chum escapement until early September as part of their normal operation but discontinue the surveys prior to coho salmon season. With fishing effort spread out to other streams, we need to ensure escapement is maintained to meet the subsistence needs of the village of Perryville. This escapement information is needed for effective in-season and post-season management of the stocks.

Products: Results will be published in FWS Alaska Fisheries Data Series reports, and the information will be available for presentation to interested parties. Data will be archived per KSFRO standards.

Experience of Investigators: KSFRO has extensive experience in conducting fisheries' studies in southwest Alaska. The staff at KSFRO are fully qualified and prepared to conduct this project. All biologists have masters' degrees with more than 40 years combined professional experience.

Partnerships/Collaboration: The project has limited potential for partnerships or collaboration, although the project encourages local involvement in the management of local salmon stocks. Presentations of project work plans and progress will also be made to the local village. ADFG will review the project and study plan.

Budget: The KSFRO will provide annual in-kind funds of \$12,000 for supervision, biometric support, and administrative support for this project

Total Project Costs:

	State	Federal	Non-Agency	Total
FY2003		\$ 9,750		\$ 9,750
FY2004		\$10,238		\$10,238
FY2005		\$10,749		\$10,749

APPENDIX B. Detailed Cost Estimates

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Peninsula National Wildlife Refuge

FY 2003

King Salmon Fishery Resource Office

Helicopter Flight Time: 13 hours at \$750/hr **\$9,750**

FY 2004

King Salmon Fishery Resource Office

Helicopter Flight Time: 13 hours at \$787.50/hr **\$10,238**

FY 2005

King Salmon Fishery Resource Office

Helicopter Flight Time: 13 hours at \$827/hr **\$10,749**